

L Number	Hits	Search Text	DB	Time stamp
1	23338	"pre-amplifier" or preamplifier\$1	USPAT	2003/11/18 15:16
2	377093	sensor\$1	USPAT	2003/11/18 15:17
3	2487	sensor\$1 adj current	USPAT	2003/11/18 15:17
4	2565	read adj sensor\$1	USPAT	2003/11/18 15:17
5	435	GMR adj sensor\$1	USPAT	2003/11/18 15:17
6	97440	"read/write" or (read same write)	USPAT	2003/11/18 15:18
7	59431	(disc or disk) adj drive\$1	USPAT	2003/11/18 15:18
8	584491	head\$1	USPAT	2003/11/18 15:18
9	26	writ\$ adj signal adj path	USPAT	2003/11/18 15:18
10	3622	writ\$ adj current	USPAT	2003/11/18 15:19
11	26	read adj signal adj path	USPAT	2003/11/18 15:19
12	2942	read adj current	USPAT	2003/11/18 15:19
13	1637	shunt adj path	USPAT	2003/11/18 15:19
14	11900	induc\$ adj current	USPAT	2003/11/18 15:20
15	1140	read adj amplifier	USPAT	2003/11/18 15:22
16	6272	transmission adj gate\$1	USPAT	2003/11/18 15:22
17	240149	transistor\$1	USPAT	2003/11/18 15:23
18	10781	"n-channel" adj transistor\$1	USPAT	2003/11/18 15:23
19	10178	"p-channel" adj transistor\$1	USPAT	2003/11/18 15:23
20	0	low adj "drain-to-source" adj channel adj resistance	USPAT	2003/11/18 15:24
21	1762	write adj driver\$1	USPAT	2003/11/18 15:24
22	0	"magneto-resistance" adj sensor\$1	USPAT	2003/11/18 15:24
23	19681	limit\$ adj current	USPAT	2003/11/18 15:25
24	770	inductanc\$ same capacitanc\$ same sensor\$1	USPAT	2003/11/18 15:25
25	7680	("pre-amplifier" or preamplifier\$1) and sensor\$1	USPAT	2003/11/18 15:25
26	564	((("pre-amplifier" or preamplifier\$1) and sensor\$1) and ((disc or disk) adj drive\$1)	USPAT	2003/11/18 15:26
27	2	(writ\$ adj signal adj path) and ((("pre-amplifier" or preamplifier\$1) and sensor\$1) and ((disc or disk) adj drive\$1))	USPAT	2003/11/18 15:32
30	0	((writ\$ adj signal adj path) and (writ\$ adj current)) and ((read adj signal adj path) and (read adj current))	USPAT	2003/11/18 15:39
28	4	(writ\$ adj signal adj path) and (writ\$ adj current)	USPAT	2003/11/18 15:33
29	3	(read adj signal adj path) and (read adj current)	USPAT	2003/11/18 15:37
31	0	((writ\$ adj signal adj path) and (writ\$ adj current)) and ((read adj signal adj path) and (read adj current))	USPAT	2003/11/18 15:40
32	7	(writ\$ adj signal adj path) and (read adj signal adj path)	USPAT	2003/11/18 15:44
33	0	((writ\$ adj signal adj path) and (read adj signal adj path)) and (shunt adj path)	USPAT	2003/11/18 15:45
34	0	((writ\$ adj signal adj path) and (read adj signal adj path)) and (induc\$ adj current)	USPAT	2003/11/18 15:46
35	1	((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path))	USPAT	2003/11/18 15:46
36	1	("pre-amplifier" or preamplifier\$1) and ((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path))	USPAT	2003/11/18 15:47
37	0	(inductanc\$ same capacitanc\$ same sensor\$1) and ((("pre-amplifier" or preamplifier\$1) and ((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path))))	USPAT	2003/11/18 15:48
38	0	((("pre-amplifier" or preamplifier\$1) and ((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path)))) and (limit\$ adj current)	USPAT	2003/11/18 15:49
39	75	(shunt adj path) and (induc\$ adj current)	USPAT	2003/11/18 15:49
40	0	("pre-amplifier" or preamplifier\$1) and ((shunt adj path) and (induc\$ adj current))	USPAT	2003/11/18 15:49
41	2	((disc or disk) adj drive\$1) and ((shunt adj path) and (induc\$ adj current))	USPAT	2003/11/18 15:57
42	0	(write adj current) same (induc\$ adj current) same (read adj signal adj path)	USPAT	2003/11/18 16:41

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1	23338	"pre-amplifier" or preamplifier\$1	USPAT	2003/11/18 15:16
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4	2565	read adj sensor\$1	USPAT	2003/11/18 15:17
5	435	GMR adj sensor\$1	USPAT	2003/11/18 15:17
6	97440	"read/write" or (read same write)	USPAT	2003/11/18 15:18
7	59431	(disc or disk) adj drive\$1	USPAT	2003/11/18 15:18
8	584491	head\$1	USPAT	2003/11/18 15:18
9	26	writ\$ adj signal adj path	USPAT	2003/11/18 15:18
10	3622	writ\$ adj current	USPAT	2003/11/18 15:19
11	26	read adj signal adj path	USPAT	2003/11/18 15:19
12	2942	read adj current	USPAT	2003/11/18 15:19
13	1637	shunt adj path	USPAT	2003/11/18 15:19
14	11900	induc\$ adj current	USPAT	2003/11/18 15:20
15	1140	read adj amplifier	USPAT	2003/11/18 15:22
16	6272	transmission adj gate\$1	USPAT	2003/11/18 15:22
17	240149	transistor\$1	USPAT	2003/11/18 15:23
18	10781	"n-channel" adj transistor\$1	USPAT	2003/11/18 15:23
19	10178	"p-channel" adj transistor\$1	USPAT	2003/11/18 15:23
20	0	low adj "drain-to-source" adj channel adj resistance	USPAT	2003/11/18 15:24
21	1762	write adj driver\$1	USPAT	2003/11/18 15:24
22	0	"magneto-resistance" adj sensor\$1	USPAT	2003/11/18 15:24
23	19681	limit\$ adj current	USPAT	2003/11/18 15:25
24	770	inductanc\$ same capacitanc\$ same sensor\$1	USPAT	2003/11/18 15:25
25	7680	("pre-amplifier" or preamplifier\$1) and sensor\$1	USPAT	2003/11/18 15:25
26	564	((("pre-amplifier" or preamplifier\$1) and sensor\$1) and ((disc or disk) adj drive\$1)	USPAT	2003/11/18 15:26
27	2	(writ\$ adj signal adj path) and ((("pre-amplifier" or preamplifier\$1) and sensor\$1) and ((disc or disk) adj drive\$1))	USPAT	2003/11/18 15:32
30	0	((writ\$ adj signal adj path) and (writ\$ adj current)) and ((read adj signal adj path) and (read adj current))	USPAT	2003/11/18 15:39
28	4	(writ\$ adj signal adj path) and (writ\$ adj current)	USPAT	2003/11/18 15:33
29	3	(read adj signal adj path) and (read adj current)	USPAT	2003/11/18 15:37
31	0	((writ\$ adj signal adj path) and (writ\$ adj current)) and ((read adj signal adj path) and (read adj current))	USPAT	2003/11/18 15:40
32	7	(writ\$ adj signal adj path) and (read adj signal adj path)	USPAT	2003/11/18 15:44
33	0	((writ\$ adj signal adj path) and (read adj signal adj path)) and (shunt adj path)	USPAT	2003/11/18 15:45
34	0	((writ\$ adj signal adj path) and (read adj signal adj path)) and (induc\$ adj current)	USPAT	2003/11/18 15:46
35	1	((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path))	USPAT	2003/11/18 15:46
36	1	("pre-amplifier" or preamplifier\$1) and ((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path))	USPAT	2003/11/18 15:47
37	0	(inductanc\$ same capacitanc\$ same sensor\$1) and ((("pre-amplifier" or preamplifier\$1) and ((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path))))	USPAT	2003/11/18 15:48
38	0	((("pre-amplifier" or preamplifier\$1) and ((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path)))) and (limit\$ adj current)	USPAT	2003/11/18 15:49
39	75	(shunt adj path) and (induc\$ adj current)	USPAT	2003/11/18 15:49
40	0	("pre-amplifier" or preamplifier\$1) and ((shunt adj path) and (induc\$ adj current))	USPAT	2003/11/18 15:49
41	2	((disc or disk) adj drive\$1) and ((shunt adj path) and (induc\$ adj current))	USPAT	2003/11/18 15:57
42	0	(write adj current) same (induc\$ adj current) same (read adj signal adj path)	USPAT	2003/11/18 15:58

43	0	(write adj current) same (induc\$ adj current) same (shunt adj path)	USPAT	2003/11/18 15:59
44	0	(read adj signal adj path) and (shunt adj path)	USPAT	2003/11/18 15:59
45	1	(read adj signal adj path) and (induc\$ adj current)	USPAT	2003/11/18 16:02
46	25028	induc\$ adj (voltage\$1 or current\$1)	USPAT	2003/11/18 16:03
47	1	(induc\$ adj (voltage\$1 or current\$1)) and (read adj signal adj path)	USPAT	2003/11/18 16:03
48	175	(induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path)	USPAT	2003/11/18 16:04
49	0	(read adj signal adj path) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))	USPAT	2003/11/18 16:04
51	1	(read adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))	USPAT	2003/11/18 16:07
52	68	("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current)	USPAT	2003/11/18 16:07
53	0	(writ\$ adj signal adj path) and (("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current))	USPAT	2003/11/18 16:07
54	0	(writ\$ adj current) and (("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current))	USPAT	2003/11/18 16:08
55	0	((("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current)) and (read adj signal adj path))	USPAT	2003/11/18 16:08
56	1	(read adj current) and (("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current))	USPAT	2003/11/18 16:10
57	3093	("pre-amplifier" or preamplifier\$1) and ("read/write" or (read same write))	USPAT	2003/11/18 16:10
58	19	((("pre-amplifier" or preamplifier\$1) and ("read/write" or (read same write))) and (GMR adj sensor\$1))	USPAT	2003/11/18 16:10
59	0	(induc\$ adj (voltage\$1 or current\$1)) and (((("pre-amplifier" or preamplifier\$1) and ("read/write" or (read same write))) and (GMR adj sensor\$1))	USPAT	2003/11/18 16:11
60	5	((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path)) and ("pre-amplifier" or preamplifier\$1)	USPAT	2003/11/18 16:17
61	41	(limit\$ adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))	USPAT	2003/11/18 16:17
62	13	((limit\$ adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))) and sensor\$1	USPAT	2003/11/18 16:18
63	0	((((limit\$ adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))) and sensor\$1) and ("pre-amplifier" or preamplifier\$1))	USPAT	2003/11/18 16:18

43	0	(write adj current) same (induc\$ adj current) same (shunt adj path)	USPAT	2003/11/18 15:59
44	0	(read adj signal adj path) and (shunt adj path)	USPAT	2003/11/18 15:59
45	1	(read adj signal adj path) and (induc\$ adj current)	USPAT	2003/11/18 16:02
46	25028	induc\$ adj (voltage\$1 or current\$1)	USPAT	2003/11/18 16:43
47	1	(induc\$ adj (voltage\$1 or current\$1)) and (read adj signal adj path)	USPAT	2003/11/18 16:03
48	175	(induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path)	USPAT	2003/11/18 16:04
49	0	(read adj signal adj path) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))	USPAT	2003/11/18 16:04
51	1	(read adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))	USPAT	2003/11/18 16:07
52	68	("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current)	USPAT	2003/11/18 16:07
53	0	(writ\$ adj signal adj path) and (("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current))	USPAT	2003/11/18 16:07
54	0	(writ\$ adj current) and (("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current))	USPAT	2003/11/18 16:08
55	0	((("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current)) and (read adj signal adj path))	USPAT	2003/11/18 16:08
56	1	(read adj current) and ((("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current))	USPAT	2003/11/18 16:10
57	3093	("pre-amplifier" or preamplifier\$1) and ("read/write" or (read same write))	USPAT	2003/11/18 16:10
58	19	((("pre-amplifier" or preamplifier\$1) and ("read/write" or (read same write))) and (GMR adj sensor\$1))	USPAT	2003/11/18 16:10
59	0	(induc\$ adj (voltage\$1 or current\$1)) and (((("pre-amplifier" or preamplifier\$1) and ("read/write" or (read same write))) and (GMR adj sensor\$1))	USPAT	2003/11/18 16:11
60	5	((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path)) and ("pre-amplifier" or preamplifier\$1)	USPAT	2003/11/18 16:17
61	41	(limit\$ adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))	USPAT	2003/11/18 16:17
62	13	((limit\$ adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))) and sensor\$1	USPAT	2003/11/18 16:23
63	0	((limit\$ adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))) and sensor\$1 and ("pre-amplifier" or preamplifier\$1)	USPAT	2003/11/18 16:18
64	0	((writ\$ adj signal adj path) and (read adj signal adj path)) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))	USPAT	2003/11/18 16:23
65	2	(write adj current) same (induc\$ adj current) same (read adj current)	USPAT	2003/11/18 16:26
66	912	(360/46).CCLS.	USPAT	2003/11/18 16:33
67	0	((writ\$ adj signal adj path) and (read adj signal adj path)) and ((360/46).CCLS.)	USPAT	2003/11/18 16:33
68	0	(induc\$ adj current) same (read adj signal adj path)	USPAT	2003/11/18 16:42
69	21	(induc\$ adj (voltage\$1 or current\$1)) same (shunt adj path)	USPAT	2003/11/18 16:52
70	0	((induc\$ adj (voltage\$1 or current\$1)) same (shunt adj path)) and ("pre-amplifier" or preamplifier\$1)	USPAT	2003/11/18 16:52

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3	2487	sensor\$1 adj current	USPAT	2003/11/18 15:17
4	2565	read adj sensor\$1	USPAT	2003/11/18 15:17
5	435	GMR adj sensor\$1	USPAT	2003/11/18 15:17
6	97440	"read/write" or (read same write)	USPAT	2003/11/18 15:18
7	59431	(disc or disk) adj drive\$1	USPAT	2003/11/18 15:18
8	584491	head\$1	USPAT	2003/11/18 15:18
9	26	writ\$ adj signal adj path	USPAT	2003/11/18 15:18
10	3622	writ\$ adj current	USPAT	2003/11/18 15:19
11	26	read adj signal adj path	USPAT	2003/11/18 15:19
12	2942	read adj current	USPAT	2003/11/18 15:19
13	1637	shunt adj path	USPAT	2003/11/18 15:19
14	11900	induc\$ adj current	USPAT	2003/11/18 15:20
15	1140	read adj amplifier	USPAT	2003/11/18 15:22
16	6272	transmission adj gate\$1	USPAT	2003/11/18 15:22
17	240149	transistor\$1	USPAT	2003/11/18 15:23
18	10781	"n-channel" adj transistor\$1	USPAT	2003/11/18 15:23
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20	0	low adj "drain-to-source" adj channel adj resistance	USPAT	2003/11/18 15:24
21	1762	write adj driver\$1	USPAT	2003/11/18 15:24
22	0	"magneto-resistance" adj sensor\$1	USPAT	2003/11/18 15:24
23	19681	limit\$ adj current	USPAT	2003/11/18 15:25
24	770	inductanc\$ same capacitanc\$ same sensor\$1	USPAT	2003/11/18 15:25
25	7680	("pre-amplifier" or preamplifier\$1) and sensor\$1	USPAT	2003/11/18 15:25
26	564	((("pre-amplifier" or preamplifier\$1) and sensor\$1) and ((disc or disk) adj drive\$1)	USPAT	2003/11/18 15:26
27	2	(writ\$ adj signal adj path) and ((("pre-amplifier" or preamplifier\$1) and sensor\$1) and ((disc or disk) adj drive\$1))	USPAT	2003/11/18 15:32
30	0	((writ\$ adj signal adj path) and (writ\$ adj current)) and ((read adj signal adj path) and (read adj current))	USPAT	2003/11/18 15:39
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29	3	(read adj signal adj path) and (read adj current)	USPAT	2003/11/18 15:37
31	0	((writ\$ adj signal adj path) and (writ\$ adj current)) and ((read adj signal adj path) and (read adj current))	USPAT	2003/11/18 15:40
32	7	(writ\$ adj signal adj path) and (read adj signal adj path)	USPAT	2003/11/18 15:44
33	0	((writ\$ adj signal adj path) and (read adj signal adj path)) and (shunt adj path)	USPAT	2003/11/18 15:45
34	0	((writ\$ adj signal adj path) and (read adj signal adj path)) and (induc\$ adj current)	USPAT	2003/11/18 15:46
35	1	((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path))	USPAT	2003/11/18 15:46
36	1	("pre-amplifier" or preamplifier\$1) and ((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path))	USPAT	2003/11/18 15:47
37	0	(inductanc\$ same capacitanc\$ same sensor\$1) and ((("pre-amplifier" or preamplifier\$1) and ((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path))))	USPAT	2003/11/18 15:48
38	0	((("pre-amplifier" or preamplifier\$1) and ((disc or disk) adj drive\$1) and ((writ\$ adj signal adj path) and (read adj signal adj path)))) and (limit\$ adj current)	USPAT	2003/11/18 15:49
39	75	(shunt adj path) and (induc\$ adj current)	USPAT	2003/11/18 15:49
40	0	("pre-amplifier" or preamplifier\$1) and ((shunt adj path) and (induc\$ adj current))	USPAT	2003/11/18 15:49
41	2	((disc or disk) adj drive\$1) and ((shunt adj path) and (induc\$ adj current))	USPAT	2003/11/18 15:57
42	0	(write adj current) same (induc\$ adj current) same (read adj signal adj path)	USPAT	2003/11/18 16:24

43	0	(write adj current) same (induc\$ adj current) same (shunt adj path)	USPAT	2003/11/18 15:59
44	0	(read adj signal adj path) and (shunt adj path)	USPAT	2003/11/18 15:59
45	1	(read adj signal adj path) and (induc\$ adj current)	USPAT	2003/11/18 16:02
46	25028	induc\$ adj (voltage\$1 or current\$1)	USPAT	2003/11/18 16:03
47	1	(induc\$ adj (voltage\$1 or current\$1)) and (read adj signal adj path)	USPAT	2003/11/18 16:03
48	175	(induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path)	USPAT	2003/11/18 16:04
49	0	(read adj signal adj path) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))	USPAT	2003/11/18 16:04
51	1	(read adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))	USPAT	2003/11/18 16:07
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53	0	(writ\$ adj signal adj path) and (("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current))	USPAT	2003/11/18 16:07
54	0	(writ\$ adj current) and (("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current))	USPAT	2003/11/18 16:08
55	0	((("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current)) and (read adj signal adj path))	USPAT	2003/11/18 16:08
56	1	(read adj current) and (("pre-amplifier" or preamplifier\$1) and (sensor\$1 adj current))	USPAT	2003/11/18 16:10
57	3093	("pre-amplifier" or preamplifier\$1) and ("read/write" or (read same write))	USPAT	2003/11/18 16:10
58	19	((("pre-amplifier" or preamplifier\$1) and ("read/write" or (read same write))) and (GMR adj sensor\$1))	USPAT	2003/11/18 16:10
59	0	(induc\$ adj (voltage\$1 or current\$1)) and (((("pre-amplifier" or preamplifier\$1) and ("read/write" or (read same write))) and (GMR adj sensor\$1))	USPAT	2003/11/18 16:11
60	5	((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path)) and ("pre-amplifier" or preamplifier\$1)	USPAT	2003/11/18 16:17
61	41	(limit\$ adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))	USPAT	2003/11/18 16:17
62	13	((limit\$ adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))) and sensor\$1	USPAT	2003/11/18 16:23
63	0	((((limit\$ adj current) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))) and sensor\$1) and ("pre-amplifier" or preamplifier\$1))	USPAT	2003/11/18 16:18
64	0	((writ\$ adj signal adj path) and (read adj signal adj path)) and ((induc\$ adj (voltage\$1 or current\$1)) and (shunt adj path))	USPAT	2003/11/18 16:23
65	2	(write adj current) same (induc\$ adj current) same (read adj current)	USPAT	2003/11/18 16:26
66	912	(360/46).CCLS.	USPAT	2003/11/18 16:33
67	0	((writ\$ adj signal adj path) and (read adj signal adj path)) and ((360/46).CCLS.)	USPAT	2003/11/18 16:33